

IN THE CLAIMS:

The following listing of claims will replace all prior listings of claims in the application:

Claim 1 (Currently Amended): A method of computing a biased ratio value for anisotropic texture map filtering, comprising:

- receiving a ratio value for a texture map;
- applying a bias to the ratio value to produce the biased ratio value by scaling the ratio value by the bias summed with one to produce the biased ratio value and clamping the biased ratio value to a number less than or equal to one; and
- determining a number of texture samples to filter based on the biased ratio value.

Claims 2 - 3 (Cancelled)

Claim 4 (Currently Amended): The method of claim [[2]] 1, wherein the bias is programmed.

Claim 5 (Currently Amended): The method of claim [[2]] 1, wherein the bias is determined by a software driver.

Claim 6 (Currently Amended): The method of claim [[2]] 1, wherein the bias ranges from 0 to 15/16.

Claim 7 (Original): The method of claim 1, further comprising determining the bias based on a performance mode selected by a user.

Claim 8 (Original): The method of claim 1, further comprising performing trilinear filtering when the biased ratio value is greater than or equal to one.

Claim 9 (Original): The method of claim 1, further comprising performing anisotropic filtering when the biased ratio value is less than one.

Claim 10 (Original): A method of determining a number of texture samples for use in an anisotropic texture map filtering computation, comprising:

receiving a ratio value;

computing a biased ratio value using the ratio value and a bias;

clamping the biased ratio value to one when the biased ratio value is greater than one; and

determining the number of texture samples for use in the anisotropic texture map filtering computation based on the biased ratio value.

Claim 11 (Original): The method of claim 10, wherein the bias corresponds to a texture identifier.

Claim 12 (Original): The method of claim 10, wherein the bias is programmed.

Claim 13 (Original): The method of claim 10, wherein the ratio value is scaled by the bias summed with 1 to produce the biased ratio value.

Claim 14 (Cancelled)

Claim 15 (Original): The method of claim 10, wherein the computing comprises adding a level of detail bias to the level of detail value.

Claims 16 - 20(Cancelled)